

Fig. 1a
(prior art)

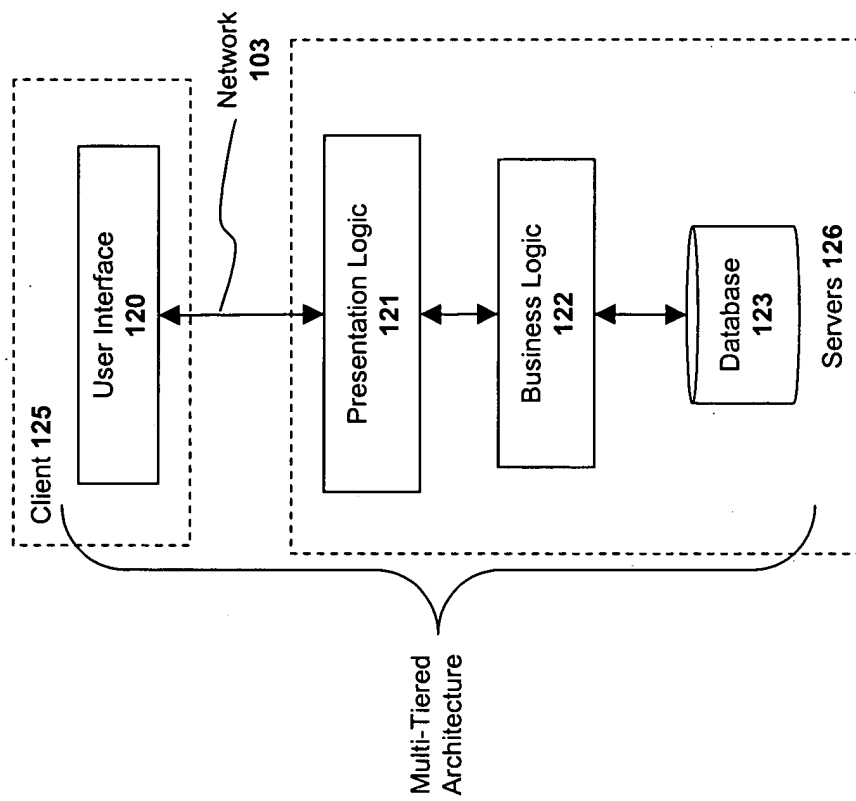


Fig. 1b
(prior art)

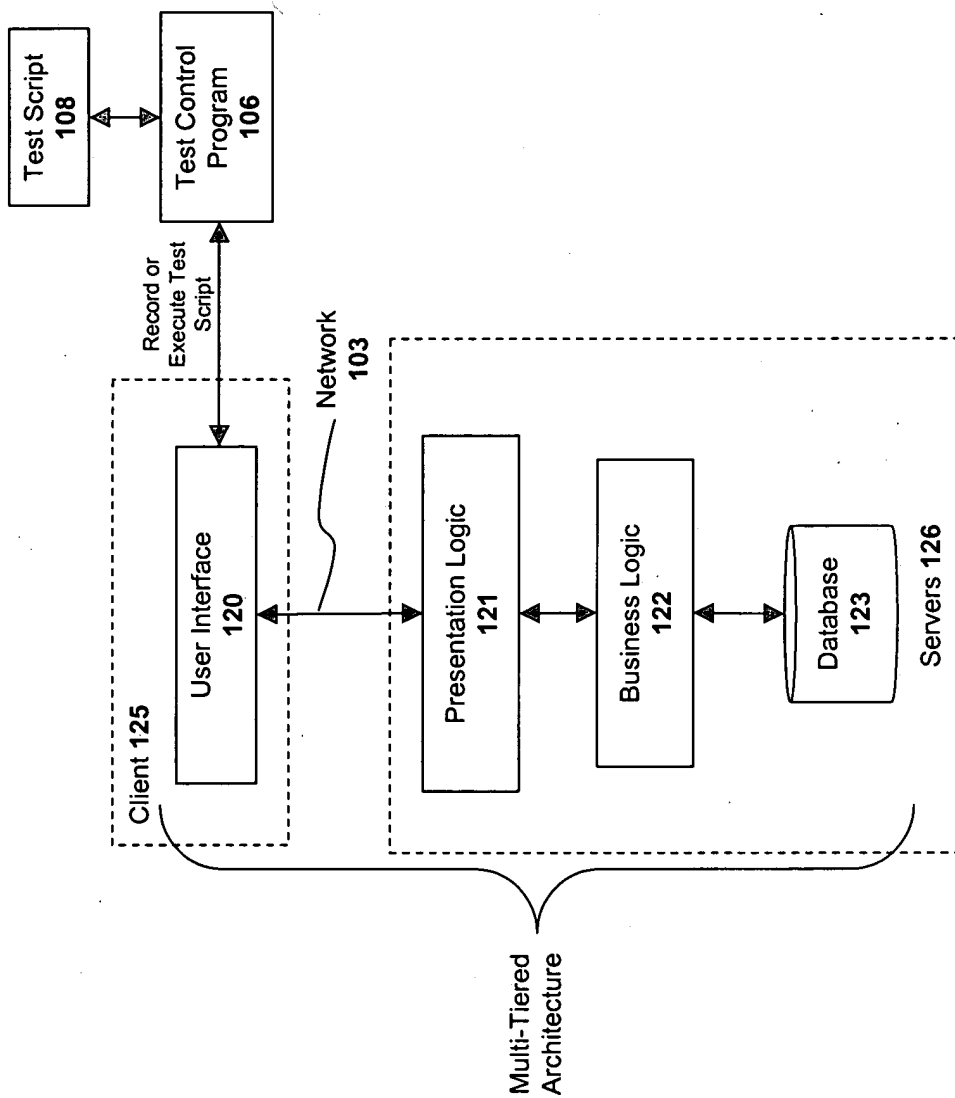


Fig. 1c
(prior art)

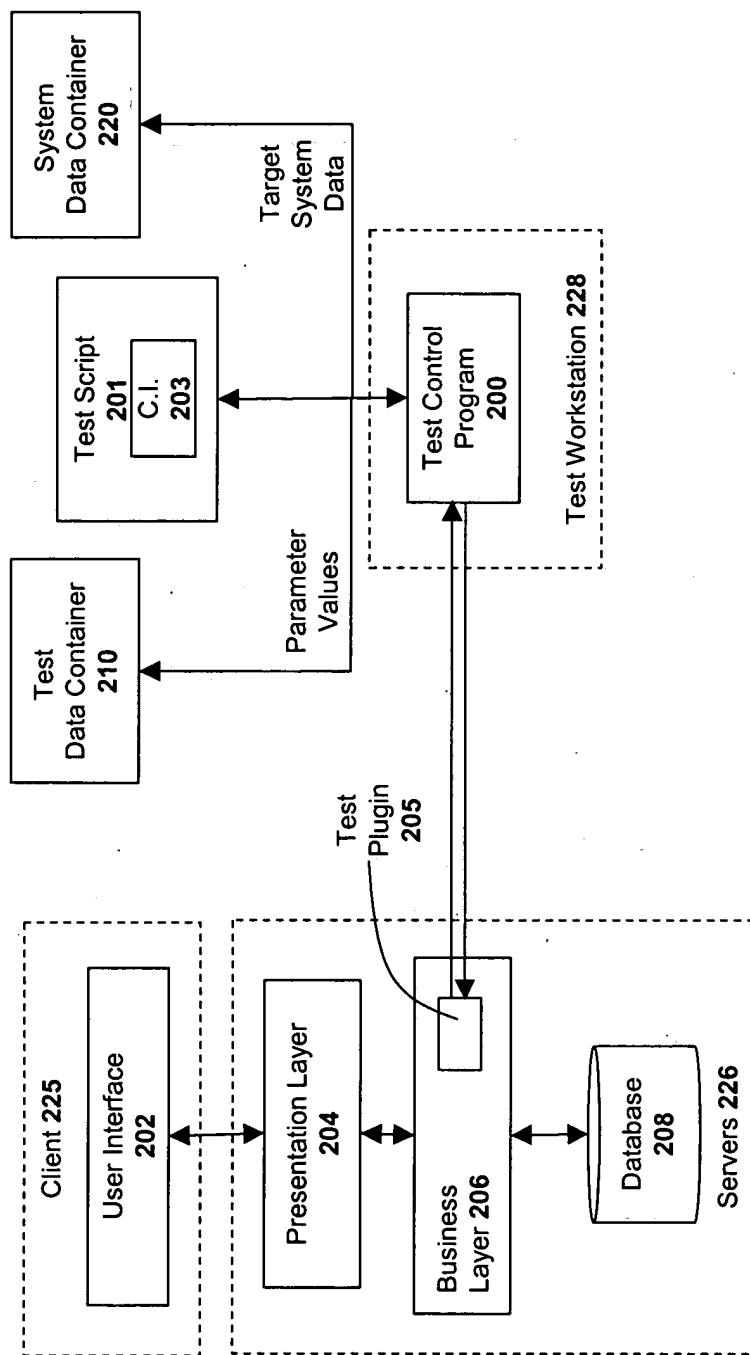


Fig. 2

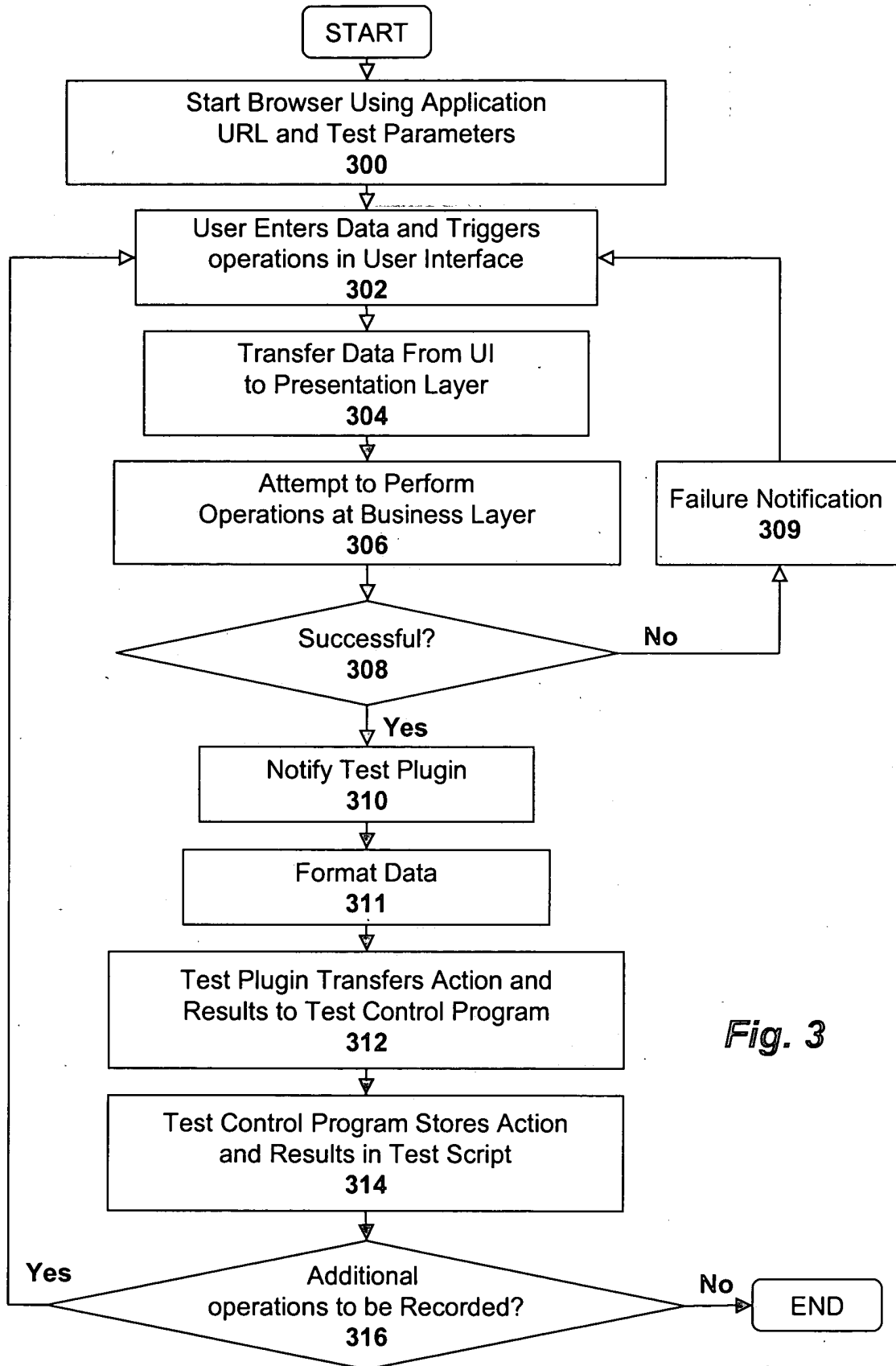


Fig. 3

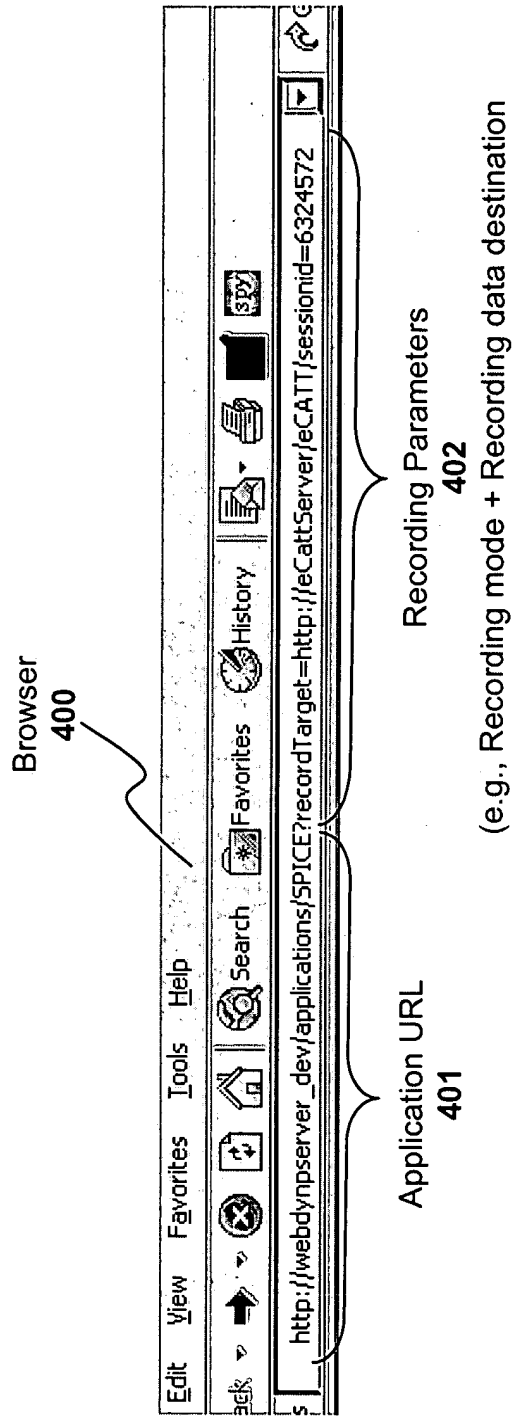


Fig. 4

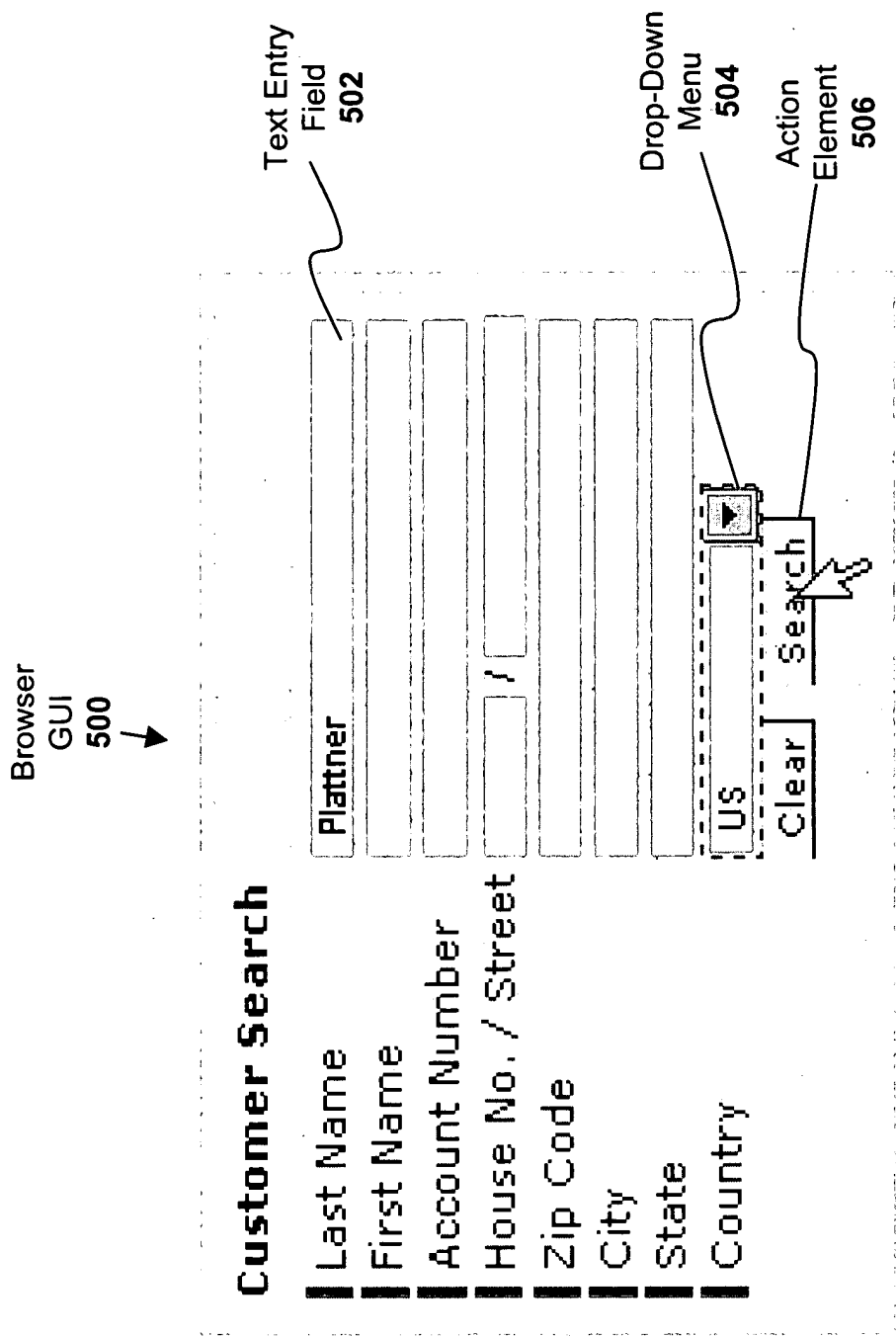


Fig. 5

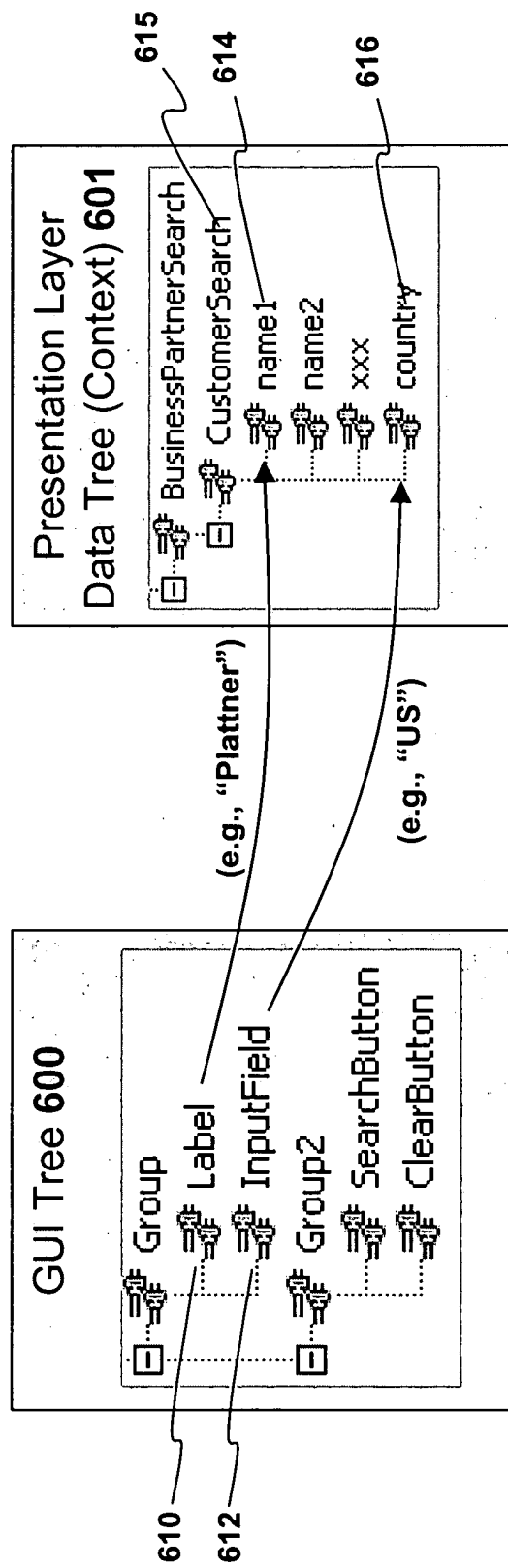


Fig. 6a
Mapping of Data From GUI Data
Elements to Presentation Data Elements

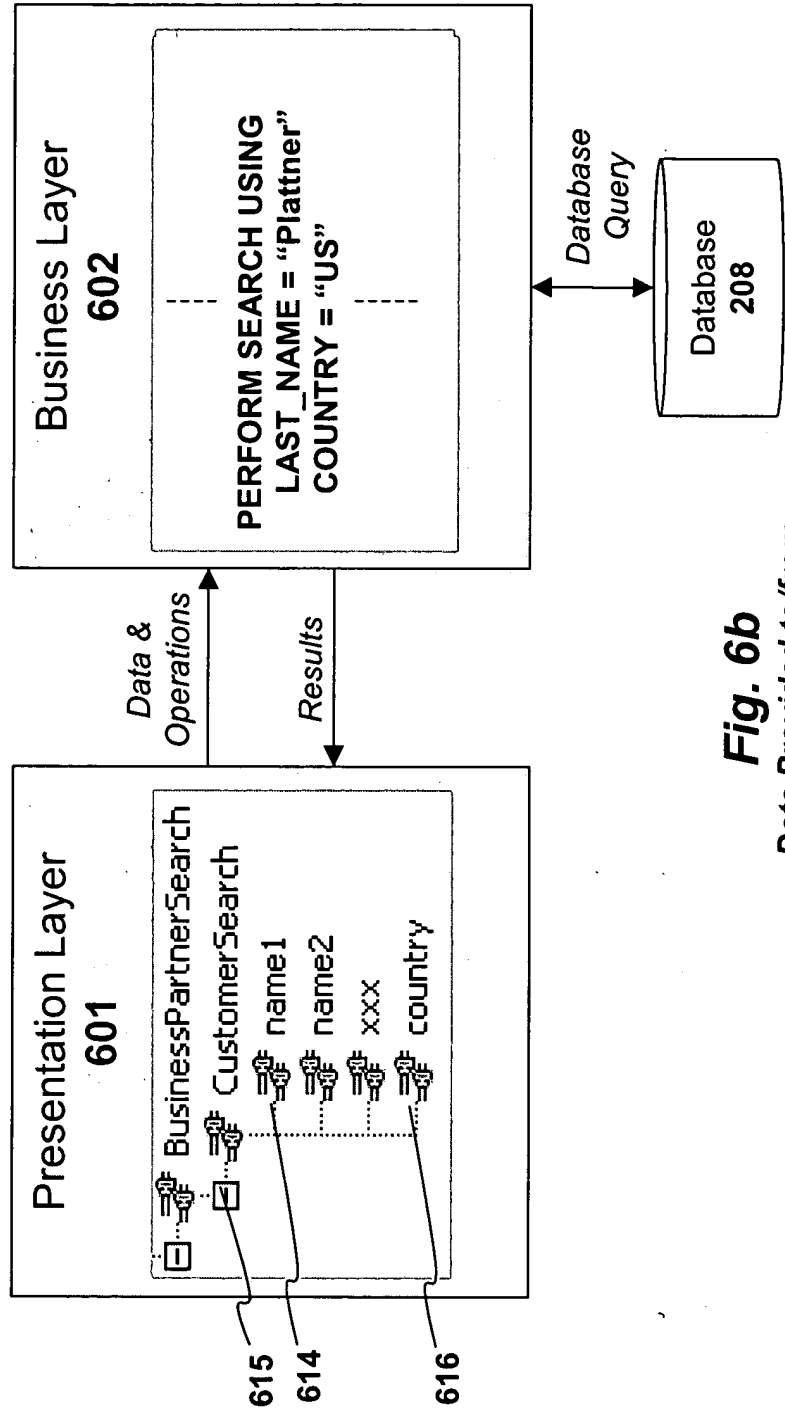


Fig. 6b
Data Provided to/from
Business Layer

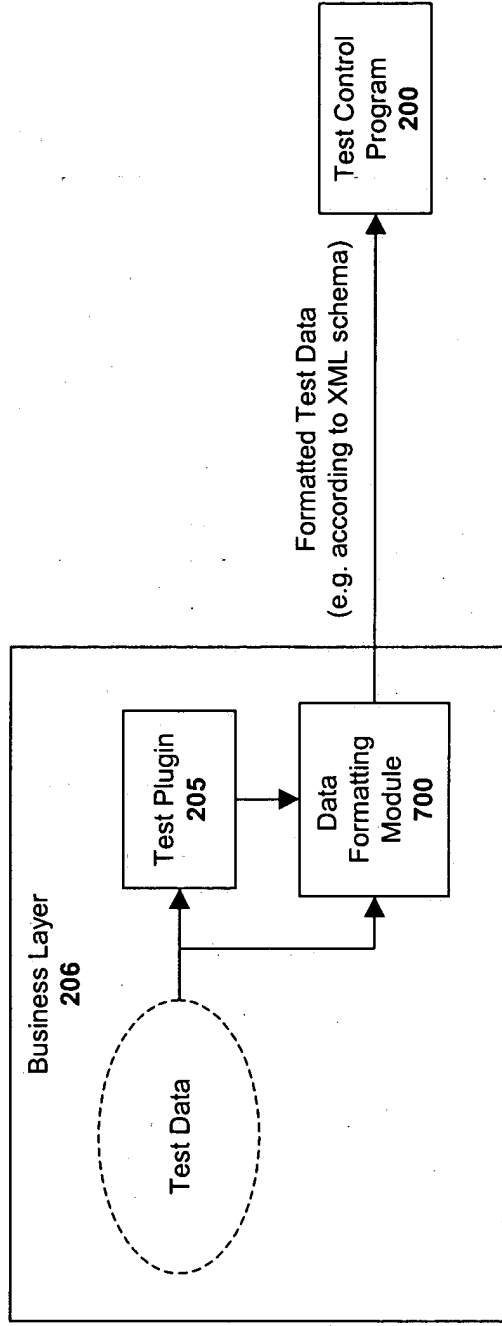


Fig. 7

Customer Search

☐ Last Name
☐ First Name
☐ Account Number
☐ House No. / Street
☐ Zip Code
☐ City
☐ State
☐ Country

| | |
|--------|-----|
| Result | Row |
| | 800 |

| Contacts - Search Results | | | | | |
|---------------------------|------------|-------------|-------------|-----------|---|
| Last Name | First Name | Account No. | Street | House No. | Z |
| Plattner | Hasso | 653784567 | Larry Drive | | 9 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Result Column
801

Fig. 8

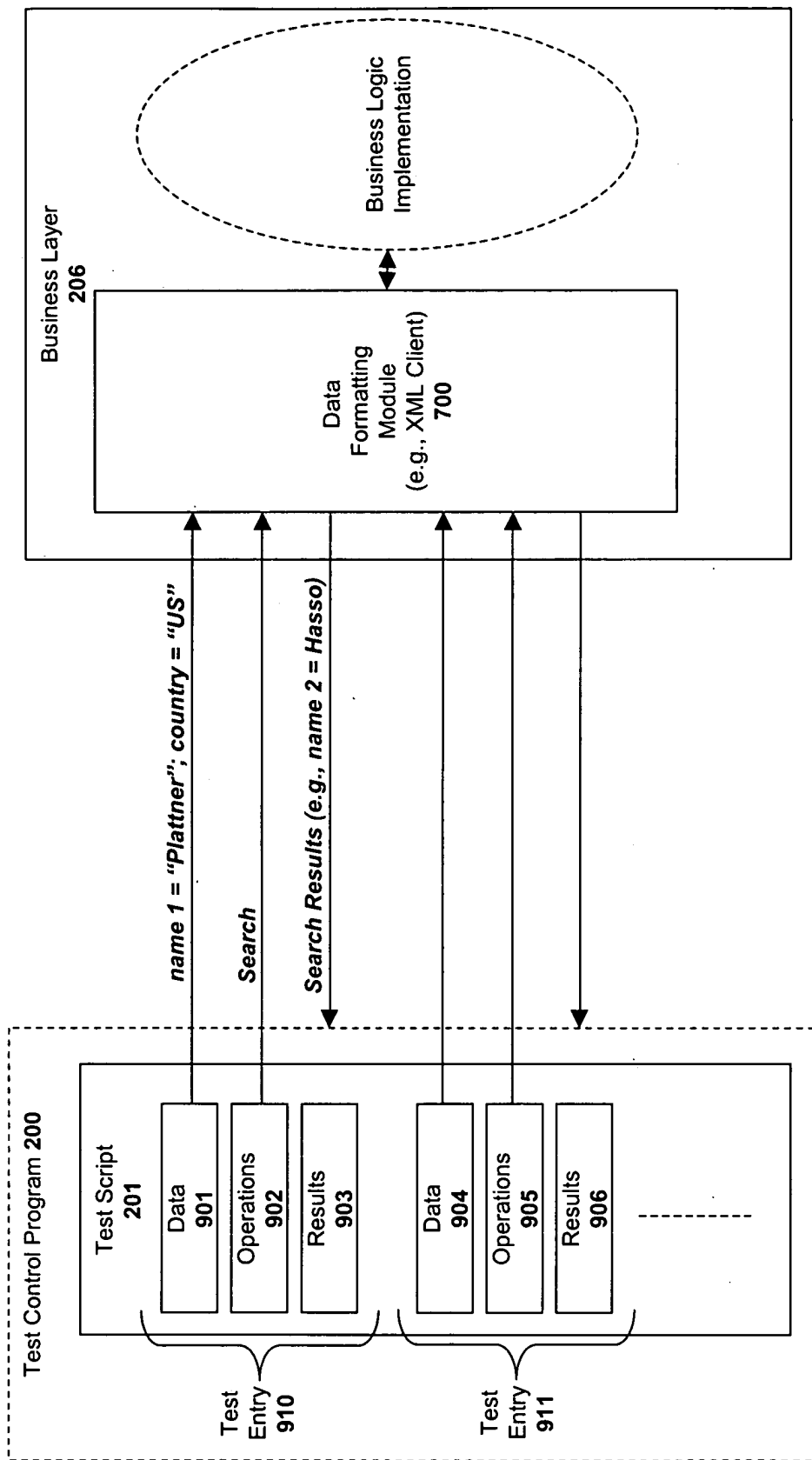


Fig. 9

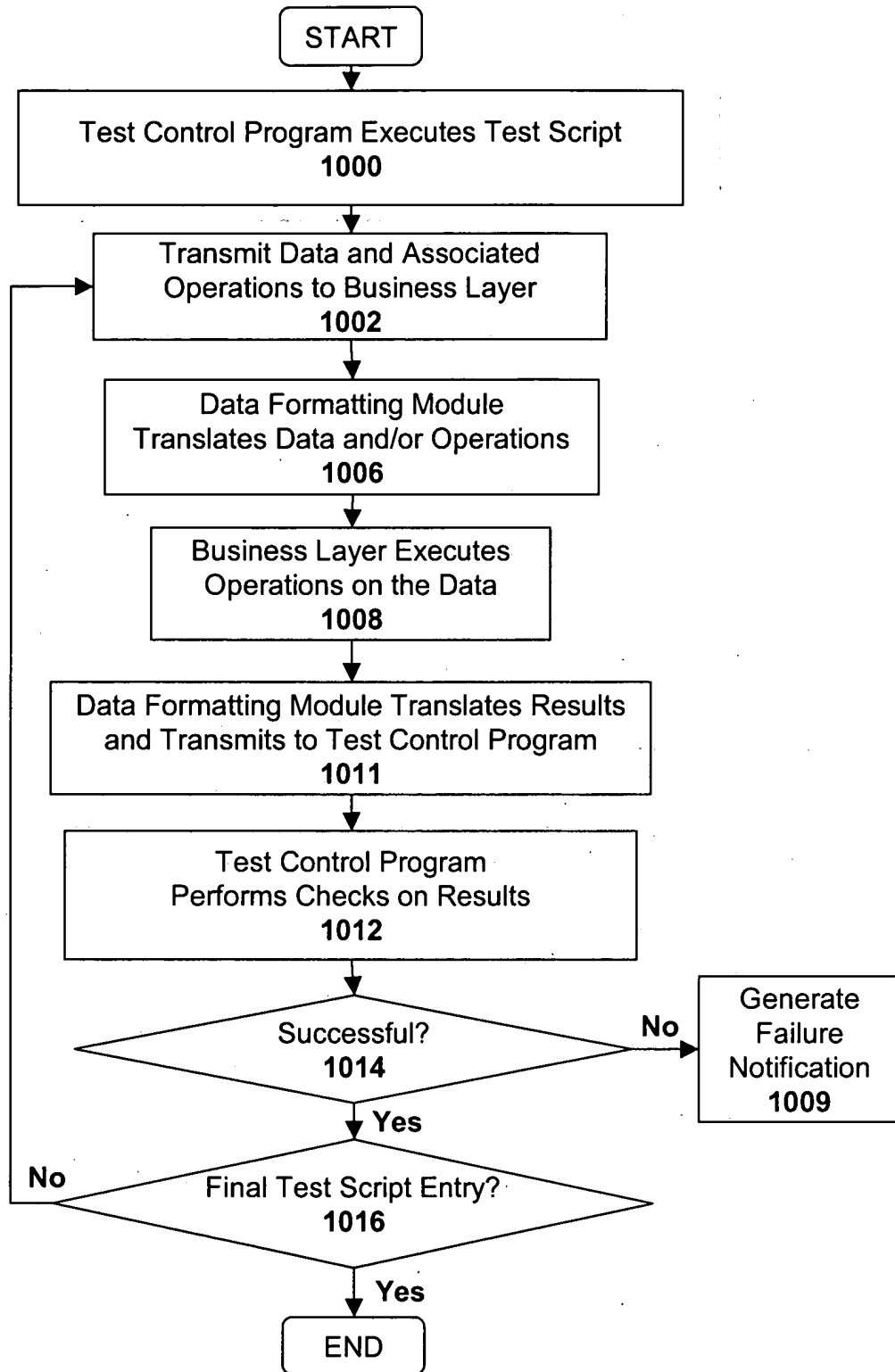


Fig. 10